

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27	(US-20080035673-\$ or US-20080272148-\$ or US-20040222239-\$).did. or (US-3178157-\$ or US-5924599-\$ or US-5386928-\$ or US-6691898-\$ or US-5348392-\$ or US-6216915-\$ or US-6578738-\$ or US-6634524-\$ or US-5938079-\$ or US-7537139-\$ or US-7077339-\$ or US-5887755-\$ or US-4979942-\$ or US-2198524-\$ or US-6602223-\$ or US-6997910-\$ or US-5429308-\$ or US-5242115-\$ or US-5388761-\$ or US-4273260-\$ or US-4790454-\$ or US-4019652-\$ or US-5102228-\$).did. or (US-3451347-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/10 20:04
L2	5	1 and ((flexible with tube) or (peristaltic))	USPAT	OR	OFF	2012/03/10 20:05
L3	6080	peristaltic with tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/03/10 20:08
L4	1539	3 and pump and force and (chemical or fluid) and chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/03/10 20:08
L5	93	4 and "222"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/03/10 20:08
L6	19	4 and "239"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/03/10 20:08
L7	24	mixing with chamber with elastic with ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2012/03/10 20:38

			IBM_TDB			
L8	202	closing with force with elastic with ring	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/03/10 20:43
L9	119865	mixing with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/03/10 20:43
L10	3	8 with 9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2012/03/10 20:43
L11	37	("20020077588" "20030199815" "2660171" "2724383" "3397694" "3604417" "3789670" "3831903" "3880138" "3930492" "4008718" "4172457" "4417861" "4687000" "4784297" "4846786" "4872353" "5240322" "5352036" "5360410" "5383858" "5401253" "5425580" "5469849" "5528923" "5601086" "5611344" "5686060" "5783254" "5806519" "5840026" "5846517" "6317623").PN. OR ("7060049").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/10 21:03
S1	11	"6533189"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:17
S2	38	"4952068"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:31
S3	9	"2339545"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:32
S4	2	"0280645"	US-PGPUB; USPAT; USOCR;	OR	ON	2009/12/29 21:33

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S5	6	"6691898"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:33
S6	896	222/137.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:36
S7	1883	222/333.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:36
S8	83	"4504982"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:36
S9	607	222/145.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:39
S10	431	222/575.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/29 21:39
S13	8	("3178157").URPN.	USPAT	OR	OFF	2010/01/11 16:18
S14	23	"3896973"	USPAT	OR	OFF	2010/01/11 16:54
S15	31	"4262847"	USPAT	OR	OFF	2010/01/11 16:55
S16	18	"4262848"	USPAT	OR	OFF	2010/01/11 16:59
S17	15	"4440320"	USPAT	OR	OFF	2010/01/11 17:21
S18	20	"4913317"	USPAT	OR	OFF	2010/01/11 17:21
S19	17	"5348392"	USPAT	OR	OFF	2010/01/11

						17:22
S27	46	"6079868"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 17:34
S36	5	"6289649"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/11 17:46
S43	10	"5674125"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/12 16:24
S44	29	"3701482"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/12 16:26
S45	4	"5938079"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/12 16:55
S46	44	("3035775" "3067987" "3097671" "3222134" "3239100" "3362919" "3471131" "3482822" "3684250" "3830407" "3876145" "3949904" "4030640" "4095722" "4350803" "4471887" "4523696" "4634027" "4648421" "4717047" "4726933" "4767025" "4834545" "4881821" "4951843" "4967940" "5004125" "5072862" "5104006" "5180082" "5195665" "5230253" "5249862" "5332125").PN. OR ("5938079").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/12 17:05
S47	44	("3035775" "3067987" "3097671" "3222134" "3239100" "3362919" "3471131" "3482822" "3684250" "3830407" "3876145" "3949904" "4030640" "4095722" "4350803" "4471887" "4523696" "4634027" "4648421" "4717047" "4726933" "4767025" "4834545" "4881821" "4951843" "4967940" "5004125" "5072862"	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/12 17:29

		"5104006" "5180082" "5195665" "5230253" "5249862" "5332125").PN. OR ("5938079").URPN.				
S48	1360	222/108.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/12 17:56
S49	1380	222/108.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/12 17:56
S50	608	222/145.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/12 18:43
S51	71	("20020130141" "20030071081" "20030075571" "20040065691" "20040188465" "20040195266" "20040251275" "2192082" "3117696" "3144966" "3166221" "3236418" "3272387" "3303970" "3311265" "3366290" "3575319" "3587982" "3603487" "3704812" "3813011" "4014463" "4040420" "4159079" "4261481" "4515296" "4752020" "4773562" "4826054" "4880143" "4893729" "4958750" "5005736" "5009342" "5040705" "5064098" "5092492" "5203839" "5224629" "5244120" "5269441" "5385270" "5386928" "5405051" "5431303" "5431307" "5526957" "5568883" "5634571" "5893486" "5897539" "5901883" "5944226" "6012462" "6305578" "6308863" "6340103" "6343718" "6422427" "6474510" "6685064").PN. OR ("7537139").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/12 18:49
S52	3	("2198524").URPN.	USPAT	OR	OFF	2010/01/13 12:20
S53	392	604/82.ccls.	USPAT	OR	OFF	2010/01/13 12:27
S54	10	("3164303" "5298024" "6123685").PN. OR ("6602223").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 12:39
S55	836	604/104.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:18
S56	305	604/89.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/01/13 13:26

S57	474	239/415.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 13:45
S58	1884	222/333.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:27
S59	1771	222/390.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:28
S60	544	222/145.6.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:28
S61	608	222/145.5.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:28
S62	992	222/214.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:28
S63	1031	222/94.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:28
S64	225	222/101.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:28
S65	1659135	mixing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2010/01/13 14:55

			DERWENT; IBM_TDB			
S66	2555830	chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:55
S67	790845	(First and second) with (fluid or component)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:56
S68	790845	(first and second) with (fluid or component)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:56
S69	15853	S68 and (S65 with S66)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:57
S70	2234	S69 and foam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:57
S71	181	S70 and (flexible with wall)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 14:57
S72	177948	flexible with wall	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 15:04
S73	106570	mixing with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 15:04
S74	2443	S72 and S73	US-PGPUB; USPAT; USOCR;	OR	ON	2010/01/13 15:04

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S75	281	S72 with S73	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 15:04
S76	35	S75 and foam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/13 15:05
S77	1380	222/108.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 16:31
S78	32	"5332125"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 19:29
S79	1108975	package or kit	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:16
S80	1659018	mixing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:16
S81	2417645	chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:16
S82	4837	"flow generator"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:17
S83	934239	nozzle	US-PGPUB;	OR	OFF	2010/01/13

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			20:17
S84	304187	gun	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:17
S85	0	S79 with S80 with S81 with S82 with S83 with S84	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:17
S86	3	S79 and S80 and S81 and S82 and S83 and S84	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:17
S87	1546485	pump	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:18
S88	101521	S80 with S81	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:18
S89	232	S79 and S88 and S83 and S84	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:18
S90	48	S89 and "222"/\$.cls.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:18
S91	34	S89 and "239"/\$.cls.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2010/01/13 20:18

			IBM_TDB			
S92	5	S90 and replace	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:20
S93	4	S91 and replace	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 20:20
S94	682	hardness with shore with tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:36
S95	254	S94 with (S87 or "20" or "30" or "40" or "50")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:36
S96	3	S95 and "239"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:36
S97	4	S95 and "222"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:38
S98	6	hardness with shore with tube with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:39
S99	832	(tube or diaphragm) with hardness with shore	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:44
S100	13161711	(S87 or S96 or "30" or "40" or "50")	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2010/01/13 21:45

			EPO; JPO; DERWENT; IBM_TDB			
S101	699	S99 and S100	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:45
S102	58	S101 and chamber and mix\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:45
S103	16	dispenser with chamber with mixing with (tube or diaphragm) with foam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:50
S104	0	dispenser with chamber with mixing with (tube or diaphragm) with foam with shore	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:54
S105	0	chamber with mixing with (tube or diaphragm) with foam with shore	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:54
S106	0	chamber with mixing with (tube or diaphragm) with shore	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:54
S107	3	chamber with mixing with hardness with shore	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:55
S108	74	chamber and mixing and hardness and shore and tube and dispenser	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 21:56
S109	0	S94 and S98/\$.cls.	US-PGPUB; USPAT;	OR	OFF	2010/01/13 22:06

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S110	5	S94 and "222"/\$.cls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:06
S111	3	tube with shore with foam with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:08
S112	3	tube with hardness with shore with foam with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:08
S113	0	tube with hardness with shore with foam with mixing with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:08
S114	0	(tube or diaphragm) with shore with mixing with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:09
S115	0	tube with shore with mixing with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:09
S116	0	dispenser with chamber with shore with mixing	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:09
S117	19	tube with shore with chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:10

S118	2676982	(resilient or flexible)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:10
S119	7	S117 and S118	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:10
S120	11701	mixing with chamber with material	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:12
S121	6	mixing with chamber with material with shore	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:12
S122	2901	shore and hardness and tube and chamber	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:13
S123	35	S122 and "239"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:13
S124	99	chamber with material with shore	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:15
S125	0	S124 with mix	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/01/13 22:15
S126	3	S124 with foam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2010/01/13 22:15

			DERWENT; IBM_TDB			
S127	8	("3451347").URPN.	USPAT	OR	OFF	2010/01/13 22:25
S128	0	tube with diaphragm with (durometer or shore) with mix\$3	USPAT	OR	OFF	2010/01/13 22:27
S129	1	tube with diaphragm with (durometer or shore)	USPAT	OR	OFF	2010/01/13 22:27
S130	8	"5247999"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/14 01:46
S131	32	"5332125"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/14 12:14
S132	2	"20080272148"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/27 19:26
S133	49	"5388761"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/27 19:28
S134	13	"6533189"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/07/28 11:59
S135	11	"3232585"	USPAT	OR	OFF	2012/03/09 13:04
S136	15	"4273260"	USPAT	OR	OFF	2012/03/09 13:10
S137	50	"4790454"	USPAT	OR	OFF	2012/03/09 13:12
S138	32	"4854482"	USPAT	OR	OFF	2012/03/09 13:14
S139	81	"5169029"	USPAT	OR	OFF	2012/03/09 13:17
S140	15	"5450988"	USPAT	OR	OFF	2012/03/09 13:21
S141	23	"5762239"	USPAT	OR	OFF	2012/03/09 13:22
S142	9	"5779103"	USPAT	OR	OFF	2012/03/09

						13:23
S143	10	"6089407"	USPAT	OR	OFF	2012/03/09 13:24
S144	13	"6123235"	USPAT	OR	OFF	2012/03/09 13:25
S145	2	"6900416"	USPAT	OR	OFF	2012/03/09 13:26
S146	35	"3302832"	USPAT	OR	OFF	2012/03/09 14:49
S147	90	"4826048"	USPAT	OR	OFF	2012/03/09 14:53
S148	10	"4974752"	USPAT	OR	OFF	2012/03/09 14:55
S149	10	"5755269"	USPAT	OR	OFF	2012/03/09 15:06
S150	9	"5981909"	USPAT	OR	OFF	2012/03/09 15:11
S151	5	"6383572"	USPAT	OR	OFF	2012/03/09 15:11
S152	2	"6558059"	USPAT	OR	OFF	2012/03/09 15:12
S153	0	"20040084552"	USPAT	OR	OFF	2012/03/09 15:13
S154	0	"20040084552"	USPAT	OR	OFF	2012/03/09 15:13
S155	0	"2004084552"	USPAT	OR	OFF	2012/03/09 15:13
S156	20	"4019652"	USPAT	OR	OFF	2012/03/09 15:13
S157	11	"5381962"	USPAT	OR	OFF	2012/03/09 15:14
S158	10	"6533189"	USPAT	OR	OFF	2012/03/09 15:14
S159	12	"6554207"	USPAT	OR	OFF	2012/03/09 15:15
S160	45	("3035775" "3067987" "3097671" "3222134" "3239100" "3362919" "3471131" "3482822" "3684250" "3830407" "3876145" "3949904" "4030640" "4095722" "4350803" "4471887" "4523696" "4634027" "4648421" "4717047" "4726933" "4767025" "4834545" "4881821" "4951843" "4967940" "5004125" "5072862" "5104006" "5180082" "5195665" "5230253" "5249862" "5332125").PN. OR ("5938079").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/10 17:42
S161	62862	flow with generator	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/10 18:05
S162	247232	chamber with closed	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/10 18:05

S163	4623	S161 and S162	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/10 18:06
S164	376	S161 with S162	US-PGPUB; USPAT; USOCR	OR	OFF	2012/03/10 18:06

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